

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (previously presented) A method for producing a flat article comprising a material that contains polyreaction products, comprising the following steps:
 - (1) Compounding of an epoxidation product of at least one carboxylic acid ester using at least one crosslinking agent,
 - (2) Pre-crosslinking of the mixture obtained in step (1) to form a moldable material,
 - (3) Molding of the moldable material obtained in step (2) in the shape of a flat article, and
 - (4) Curing of the molded material to produce the flat article, wherein the pre-crosslinking reaction in step (2) is separate from the curing reaction in step (4).
2. (previously presented) The method according to Claim 1, wherein an epoxidized carboxylic acid ester of unsaturated fatty acids is used as the epoxidation product.
3. (previously presented) The method according to Claim 1, wherein epoxidized linseed oil, epoxidized soybean oil, epoxidized castor oil, epoxidized rapeseed oil, vernonia oil or a mixture thereof containing at least two different epoxidation products is used as the epoxidation product.

4. (previously presented) The method according to Claim 1, wherein the pre-crosslinking is carried out essentially by reacting the epoxy groups of the epoxidation product.
5. (previously presented) The method according to Claim 1, wherein a di- or polycarboxylic acid, a derivative thereof, or a mixture containing at least two different crosslinking agents is used as the crosslinking agent.
6. (previously presented) The method according to Claim 5, wherein maleic acid, itaconic acid, fumaric acid, succinic acid, methylsuccinic acid, malic acid, phthalic acid, tartaric acid, citraconic acid, furandicarboxylic acid, or a mixture of at least two of said acids is used as the dicarboxylic acid.
7. (currently amended) The method according to Claim 6 5, wherein citric acid, trimellitic acid, or aconitic acid is used as the polycarboxylic acid.
8. (previously presented) The method according to Claim 5, wherein an anhydride or partial ester is used as the derivative of a di- or polycarboxylic acid.
9. (previously presented) The method according to Claim 1, wherein the reaction of the epoxidation product with the crosslinking agent is induced thermally, by radiation, or a combination thereof.
10. (previously presented) The method according to Claim 9, wherein the reaction induced by radiation is carried out by using UV radiation in the presence of at least one UV initiator, by using electron beam radiation optionally in the presence of at least one UV initiator, and/or by using IR radiation, or a combination thereof.

11. (previously presented) The method according to Claim 1, wherein an additional compounding step is included before step (3).
12. (previously presented) The method according to Claim 1, wherein in step (1) or before step (3) at least one additional additive from the group comprising fillers, pigments, hydrophobing agents, and auxiliary agents is incorporated by compounding.
13. (previously presented) The method according to Claim 1, wherein the curing of the moldable material is performed by peroxidic crosslinking via radical hydrogen abstraction, by radical polymerization of unsaturated double bonds, or combinations thereof.
14. (previously presented) The method according to Claim 13, wherein the hydrogen abstraction and/or radical polymerization of unsaturated double bonds is initiated by radical-forming initiators selected from organic peroxides or azobis compounds or a mixture thereof.
15. (previously presented) The method according to Claim 14, wherein the radical-forming initiators are incorporated by compounding in step (1) and/or before step (2) and/or before step (3).
16. (previously presented) The method according to Claim 1, wherein pre-crosslinking and curing are carried out at different temperatures.
17. (previously amended) A moldable material that can be stored and obtained by the method as defined in Claim 1.

18. (previously presented) A flat article obtained by the method as defined in Claim 1.